

ABSTRACT OF THE DISCLOSURE

1 A mobile telecommunications system comprises at least one node through which
2 a packet switched data session is established between a user equipment unit and a data
3 network. In order to maintain a high packet throughput rate, the node makes a
4 determination whether the packet transmission rate of the session is quickly accelerating
5 and, if so, has the option to switch channels or channel types for the session, e.g., to
6 switch the session from a common traffic channel to a dedicated traffic channel or from
7 a dedicated traffic channel having a first transmission rate to a dedicated traffic channel
8 having a second transmission rate. Switching to a dedicated traffic channel or a higher
9 rate dedicated traffic channel provides a greater opportunity for the session to continue
10 at a high packet transmission rate with less likelihood of packet loss. The node makes
11 its determination at an early stage of the session. In the illustrated embodiment, the
12 node is a radio network controller node of a wideband code division multiple access
13 telecommunications network.

DRAFT-2004-02-20